

Martin Olazar

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

341
papers

15,532
citations

74
h-index

104
g-index

350
ext. papers

17,879
ext. citations

6
avg, IF

6.86
L-index

#	Paper	IF	Citations
341	Assessment of pressure drop in conical spouted beds of biomass by artificial neural networks and comparison with empirical correlations. <i>Particuology</i> , 2022 , 70, 1-9	2.8	3
340	Activity and stability of different Fe loaded primary catalysts for tar elimination. <i>Fuel</i> , 2022 , 317, 123457-1	7.1	1
339	Conditioning the volatile stream from biomass fast pyrolysis for the attenuation of steam reforming catalyst deactivation. <i>Fuel</i> , 2022 , 312, 122910	7.1	3
338	Analysis of hydrogen production potential from waste plastics by pyrolysis and in line oxidative steam reforming. <i>Fuel Processing Technology</i> , 2022 , 225, 107044	7.2	14
337	Role of temperature in the biomass steam pyrolysis in a conical spouted bed reactor. <i>Energy</i> , 2022 , 238, 122053	7.9	7
336	An analysis of hydrogen production potential through the in-line oxidative steam reforming of different pyrolysis volatiles. <i>Journal of Analytical and Applied Pyrolysis</i> , 2022 , 163, 105482	6	0
335	A model for predicting the performance of a batch fountain confined spouted bed dryer at low and moderate temperatures. <i>Powder Technology</i> , 2022 , 117506	5.2	0
334	Sorption enhanced ethanol steam reforming on a bifunctional Ni/CaO catalyst for H ₂ production. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 106725	6.8	4
333	Bed symmetry in the fountain confined conical spouted beds with open-sided draft tubes. <i>Powder Technology</i> , 2021 , 117011	5.2	2
332	Draft tube design based on a borescopic technique in conical spouted beds. <i>Advanced Powder Technology</i> , 2021 , 32, 4420-4431	4.6	1
331	Fine particle flow pattern and region delimitation in fountain confined conical spouted beds. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 , 95, 312-324	6.3	5
330	CFD modeling and experimental validation of biomass fast pyrolysis in a conical spouted bed reactor. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021 , 154, 105011	6	7
329	Conversion of HDPE into Value Products by Fast Pyrolysis Using FCC Spent Catalysts in a Fountain Confined Conical Spouted Bed Reactor. <i>ChemSusChem</i> , 2021 , 14, 4291-4300	8.3	3
328	Influence of restitution and friction coefficients on the velocity field of polydisperse TiO ₂ agglomerates in a conical fluidized bed by the adhesive CFD-DEM simulation. <i>Powder Technology</i> , 2021 , 386, 491-504	5.2	1
327	Assessment of product yields and catalyst deactivation in fixed and fluidized bed reactors in the steam reforming of biomass pyrolysis volatiles. <i>Chemical Engineering Research and Design</i> , 2021 , 145, 52-62	5.5	12
326	Influence of temperature on products from fluidized bed pyrolysis of wood and solid recovered fuel. <i>Fuel</i> , 2021 , 283, 118922	7.1	15
325	Unburned material from biomass combustion as low-cost adsorbent for amoxicillin removal from wastewater. <i>Journal of Cleaner Production</i> , 2021 , 284, 124732	10.3	12

324	Multiple-Output Artificial Neural Network to Estimate Solid Cycle Times in Conical Spouted Beds. <i>Chemical Engineering and Technology</i> , 2021 , 44, 542-550	2	3
323	Selective production of light olefins and hydrogen from waste plastics by pyrolysis and in-line transformation 2021 , 265-289		
322	Waste Refinery: The Valorization of Waste Plastics and End-of-Life Tires in Refinery Units. A Review.. <i>Energy & Fuels</i> , 2021 , 35, 3529-3557	4.1	33
321	Pyrolysis of plastic wastes in a fountain confined conical spouted bed reactor: Determination of stable operating conditions. <i>Energy Conversion and Management</i> , 2021 , 229, 113768	10.6	20
320	In line upgrading of biomass fast pyrolysis products using low-cost catalysts. <i>Fuel</i> , 2021 , 296, 120682	7.1	9
319	Drying of particulate materials in draft tube conical spouted beds: Energy analysis. <i>Powder Technology</i> , 2021 , 388, 110-121	5.2	3
318	Progress on Catalyst Development for the Steam Reforming of Biomass and Waste Plastics Pyrolysis Volatiles: A Review. <i>Energy & Fuels</i> , 2021 , 35, 17051-17084	4.1	16
317	Continuous drying of fine and ultrafine sands in a fountain confined conical spouted bed. <i>Powder Technology</i> , 2021 , 388, 371-379	5.2	3
316	CeO ₂ and La ₂ O ₃ Promoters in the Steam Reforming of Polyolefinic Waste Plastic Pyrolysis Volatiles on Ni-Based Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 17307-17321	8.3	11
315	On the pyrolysis of different microalgae species in a conical spouted bed reactor: Bio-fuel yields and characterization. <i>Bioresource Technology</i> , 2020 , 311, 123561	11	23
314	Waste tyre valorization by catalytic pyrolysis A review. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 129, 109932	16.2	85
313	Thermodynamic assessment of the oxidative steam reforming of biomass fast pyrolysis volatiles. <i>Energy Conversion and Management</i> , 2020 , 214, 112889	10.6	11
312	Synergy in the Cocracking under FCC Conditions of a Phenolic Compound in the Bio-oil and a Model Compound for Vacuum Gasoil. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 8145-8154	3.9	3
311	Experimental study and modeling of biomass char gasification kinetics in a novel thermogravimetric flow reactor. <i>Chemical Engineering Journal</i> , 2020 , 396, 125200	14.7	14
310	Waste Plastics Valorization by Fast Pyrolysis and in Line Catalytic Steam Reforming for Hydrogen Production 2020 ,		2
309	Elutriation, attrition and segregation in a conical spouted bed with a fountain confiner. <i>Particuology</i> , 2020 , 51, 35-44	2.8	4
308	Effect of La ₂ O ₃ promotion on a Ni/Al ₂ O ₃ catalyst for H ₂ production in the in-line biomass pyrolysis-reforming. <i>Fuel</i> , 2020 , 262, 116593	7.1	31
307	Effect of the Solid Inlet Design on the Continuous Drying of Fine and Ultrafine Sand in a Fountain Confined Conical Spouted Bed. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 9233-9241	3.9	6

306	Catalytic steam reforming of biomass fast pyrolysis volatiles over NiCo bimetallic catalysts. <i>Journal of Industrial and Engineering Chemistry</i> , 2020 , 91, 167-181	6.3	28
305	Minimum spouting velocity of fine particles in fountain confined conical spouted beds. <i>Powder Technology</i> , 2020 , 374, 597-608	5.2	2
304	Design Factors in Fountain Confined Conical Spouted Beds. <i>Chemical Engineering and Processing: Process Intensification</i> , 2020 , 155, 108062	3.7	5
303	Estimation of the minimum spouting velocity based on pressure fluctuation analysis. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020 , 113, 56-65	5.3	0
302	Comparative analysis of different static mixers performance by CFD technique: An innovative mixer. <i>Chinese Journal of Chemical Engineering</i> , 2020 , 28, 672-684	3.2	10
301	Effect of CeO ₂ and MgO promoters on the performance of a Ni/Al ₂ O ₃ catalyst in the steam reforming of biomass pyrolysis volatiles. <i>Fuel Processing Technology</i> , 2020 , 198, 106223	7.2	39
300	New operation regimes in fountain confined conical spouted beds. <i>Chemical Engineering Science</i> , 2020 , 211, 115255	4.4	21
299	Effect of operating conditions on the drying of fine and ultrafine sand in a fountain confined conical spouted bed. <i>Drying Technology</i> , 2020 , 38, 1446-1461	2.6	7
298	Prediction of pressure drop and minimum spouting velocity in draft tube conical spouted beds using genetic programming approach. <i>Canadian Journal of Chemical Engineering</i> , 2020 , 98, 583-589	2.3	5
297	Influence of reactor and condensation system design on tyre pyrolysis products yields. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019 , 143, 104683	6	16
296	Effect of calcination conditions on the performance of Ni/MgO/Al ₂ O ₃ catalysts in the steam reforming of biomass fast pyrolysis volatiles. <i>Catalysis Science and Technology</i> , 2019 , 9, 3947-3963	5.5	21
295	Estimation of the minimum spouting velocity in shallow spouted beds by intelligent approaches: Study of fine and coarse particles. <i>Powder Technology</i> , 2019 , 354, 456-465	5.2	10
294	Implementation of a borescopic technique in a conical spouted bed for tracking spherical and irregular particles. <i>Chemical Engineering Journal</i> , 2019 , 374, 39-48	14.7	9
293	Behaviour of primary catalysts in the biomass steam gasification in a fountain confined spouted bed. <i>Fuel</i> , 2019 , 253, 1446-1456	7.1	41
292	Optimisation of combined cooling, heating and power (CCHP) systems incorporating the solar and geothermal energy: a review study. <i>International Journal of Ambient Energy</i> , 2019 , 1-19	2	4
291	Kinetic modeling and experimental validation of biomass fast pyrolysis in a conical spouted bed reactor. <i>Chemical Engineering Journal</i> , 2019 , 373, 677-686	14.7	28
290	Comparison of artificial neural networks with empirical correlations for estimating the average cycle time in conical spouted beds. <i>Particuology</i> , 2019 , 42, 48-57	2.8	9
289	Catalyst Performance in the HDPE Pyrolysis-Reforming under Reaction-Regeneration Cycles. <i>Catalysts</i> , 2019 , 9, 414	4	11

288	Co-pyrolysis of binary and ternary mixtures of microalgae, wood and waste tires through TGA. <i>Renewable Energy</i> , 2019 , 142, 264-271	8.1	23
287	Mathematical model and energy analysis of ethane dehydration in two-layer packed-bed adsorption. <i>Particuology</i> , 2019 , 47, 33-40	2.8	4
286	Influence of the kinetic scheme and heat balance on the modelling of biomass combustion in a conical spouted bed. <i>Energy</i> , 2019 , 175, 758-767	7.9	17
285	Coupling gas flow pattern and kinetics for tyre pyrolysis modelling. <i>Chemical Engineering Science</i> , 2019 , 201, 362-372	4.4	10
284	Effect of Crushed Glass on Skid Resistance, Moisture Sensitivity and Resilient Modulus of Hot Mix Asphalt. <i>Arabian Journal for Science and Engineering</i> , 2019 , 44, 4575-4585	2.5	5
283	Influence of the fountain confiner in a conical spouted bed dryer. <i>Powder Technology</i> , 2019 , 356, 193-199	3.2	14
282	Fine particle entrainment in fountain confined conical spouted beds. <i>Powder Technology</i> , 2019 , 344, 278-285	3.2	21
281	Evolution of biomass char features and their role in the reactivity during steam gasification in a conical spouted bed reactor. <i>Energy Conversion and Management</i> , 2019 , 181, 214-222	10.6	36
280	Evaluation of performance and moisture sensitivity of glass-containing warm mix asphalt modified with zycotherm TM as an anti-stripping additive. <i>Construction and Building Materials</i> , 2019 , 197, 185-194	6.7	16
279	Improving bio-oil properties through the fast co-pyrolysis of lignocellulosic biomass and waste tyres. <i>Waste Management</i> , 2019 , 85, 385-395	8.6	67
278	Distribution of Cycle Times in Sawdust Conical Spouted Bed Equipped with Fountain Confiner and Draft Tube. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 1932-1940	3.9	8
277	Stability of different Ni supported catalysts in the in-line steam reforming of biomass fast pyrolysis volatiles. <i>Applied Catalysis B: Environmental</i> , 2019 , 242, 109-120	21.8	69
276	Real-time monitoring of milk powder moisture content during drying in a spouted bed dryer using a hybrid neural soft sensor. <i>Drying Technology</i> , 2019 , 37, 1184-1190	2.6	13
275	Selecting Monitoring Variables in the Manual Composting of Municipal Solid Waste Based on Principal Component Analysis. <i>Waste and Biomass Valorization</i> , 2019 , 10, 1811-1819	3.2	12
274	Advantages of confining the fountain in a conical spouted bed reactor for biomass steam gasification. <i>Energy</i> , 2018 , 153, 455-463	7.9	34
273	Characterization of flow and transport dynamics in karst aquifers by analyzing tracer test results in conduits and recharge areas (the Egino Massif, Basque Country, Spain): environmental and management implications. <i>Environmental Earth Sciences</i> , 2018 , 77, 1	2.9	5
272	Coking and sintering progress of a Ni supported catalyst in the steam reforming of biomass pyrolysis volatiles. <i>Applied Catalysis B: Environmental</i> , 2018 , 233, 289-300	21.8	93
271	Evaluation of thermochemical routes for hydrogen production from biomass: A review. <i>Energy Conversion and Management</i> , 2018 , 165, 696-719	10.6	217

270	Influence of the support on Ni catalysts performance in the in-line steam reforming of biomass fast pyrolysis derived volatiles. <i>Applied Catalysis B: Environmental</i> , 2018 , 229, 105-113	21.8	62
269	Energetic Viability of a Polyolefin Pyrolysis Plant. <i>Energy & Fuels</i> , 2018 , 32, 3751-3759	4.1	4
268	Steam reforming of raw bio-oil over Ni/La ₂ O ₃ -Al ₂ O ₃ : Influence of temperature on product yields and catalyst deactivation. <i>Fuel</i> , 2018 , 216, 463-474	7.1	73
267	Influence of the conditions for reforming HDPE pyrolysis volatiles on the catalyst deactivation by coke. <i>Fuel Processing Technology</i> , 2018 , 171, 100-109	7.2	15
266	A new fountain confinement device for fluidizing fine and ultrafine sands in conical spouted beds. <i>Powder Technology</i> , 2018 , 328, 38-46	5.2	28
265	Role of operating conditions in the catalyst deactivation in the in-line steam reforming of volatiles from biomass fast pyrolysis. <i>Fuel</i> , 2018 , 216, 233-244	7.1	49
264	Comparison of catalytic performance of an iron-alumina pillared montmorillonite and HZSM-5 zeolite on a spouted bed reactor. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018 , 130, 320-331	6	10
263	Kinetic modelling of pine sawdust combustion in a conical spouted bed reactor. <i>Fuel</i> , 2018 , 227, 256-266	7.1	17
262	Valorization of citrus wastes by fast pyrolysis in a conical spouted bed reactor. <i>Fuel</i> , 2018 , 224, 111-120	7.1	72
261	Recent advances in the gasification of waste plastics. A critical overview. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 82, 576-596	16.2	288
260	Adsorption of Amido Black 10B from aqueous solution using polyaniline/SiO ₂ nanocomposite: Experimental investigation and artificial neural network modeling. <i>Journal of Colloid and Interface Science</i> , 2018 , 510, 246-261	9.3	104
259	Regenerability of a Ni catalyst in the catalytic steam reforming of biomass pyrolysis volatiles. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 68, 69-78	6.3	22
258	Role of temperature on gasification performance and tar composition in a fountain enhanced conical spouted bed reactor. <i>Energy Conversion and Management</i> , 2018 , 171, 1589-1597	10.6	47
257	Bio-oil production 2018 , 173-202		1
256	Valorisation of different waste plastics by pyrolysis and in-line catalytic steam reforming for hydrogen production. <i>Energy Conversion and Management</i> , 2018 , 156, 575-584	10.6	85
255	Empirical Correlation for Calculating the Pressure Drop in Microhydrocyclones. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 14202-14212	3.9	1
254	Performance of a Ni/ZrO ₂ catalyst in the steam reforming of the volatiles derived from biomass pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018 , 136, 222-231	6	24
253	Smart models to predict the minimum spouting velocity of conical spouted beds with non-porous draft tube. <i>Chemical Engineering Research and Design</i> , 2018 , 138, 331-340	5.5	11

252	Kinetic study of the catalytic reforming of biomass pyrolysis volatiles over a commercial Ni/Al ₂ O ₃ catalyst. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 12023-12033	6.7	12
251	An adaptive lumped parameter cascade model for orange juice solid waste drying in spouted bed. <i>Drying Technology</i> , 2017 , 35, 577-584	2.6	15
250	Thermochemical routes for the valorization of waste polyolefinic plastics to produce fuels and chemicals. A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 73, 346-368	16.2	335
249	Steam reforming of different biomass tar model compounds over Ni/Al ₂ O ₃ catalysts. <i>Energy Conversion and Management</i> , 2017 , 136, 119-126	10.6	111
248	Hydrogen-rich gas production by continuous pyrolysis and in-line catalytic reforming of pine wood waste and HDPE mixtures. <i>Energy Conversion and Management</i> , 2017 , 136, 192-201	10.6	77
247	A new method to measure fine particle circulation rates in draft tube conical spouted beds. <i>Powder Technology</i> , 2017 , 316, 87-91	5.2	10
246	Solute transport characterization in karst aquifers by tracer injection tests for a sustainable water resource management. <i>Journal of Hydrology</i> , 2017 , 547, 269-279	6	13
245	Fountain confined conical spouted beds. <i>Powder Technology</i> , 2017 , 312, 334-346	5.2	28
244	Deactivation dynamics of a Ni supported catalyst during the steam reforming of volatiles from waste polyethylene pyrolysis. <i>Applied Catalysis B: Environmental</i> , 2017 , 209, 554-565	21.8	64
243	Evaluation of the properties of tyre pyrolysis oils obtained in a conical spouted bed reactor. <i>Energy</i> , 2017 , 128, 463-474	7.9	69
242	Assessment of a conical spouted with an enhanced fountain bed for biomass gasification. <i>Fuel</i> , 2017 , 203, 825-831	7.1	39
241	Waste truck-tyre processing by flash pyrolysis in a conical spouted bed reactor. <i>Energy Conversion and Management</i> , 2017 , 142, 523-532	10.6	99
240	Minimum Spouting Velocity of Draft Tube Conical Spouted Beds Using the Neural Network Approach. <i>Chemical Engineering and Technology</i> , 2017 , 40, 1132-1139	2	6
239	CFD-DEM simulation of a conical spouted bed with open-sided draft tube containing fine particles. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 81, 275-287	5.3	16
238	Kinetic Modeling of the Catalytic Steam Reforming of High-Density Polyethylene Pyrolysis Volatiles. <i>Energy & Fuels</i> , 2017 , 31, 12645-12653	4.1	7
237	Pyrolysis of Polyolefins in a Conical Spouted Bed Reactor: A Way to Obtain Valuable Products 2017 ,		1
236	Correlations for calculating peak and spouting pressure drops in conical spouted beds of biomass. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 80, 678-685	5.3	5
235	Artificial neural network optimization for methyl orange adsorption onto polyaniline nano-adsorbent: Kinetic, isotherm and thermodynamic studies. <i>Journal of Molecular Liquids</i> , 2017 , 244, 189-200	6	94

234	CFD modeling of heat transfer and hydrodynamics in a draft tube conical spouted bed reactor under pyrolysis conditions: Impact of wall boundary condition. <i>Applied Thermal Engineering</i> , 2017 , 127, 224-232	5.8	15
233	Correlation for Calculating Heat Transfer Coefficient in Conical Spouted Beds. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 9524-9532	3.9	11
232	Steam reforming of plastic pyrolysis model hydrocarbons and catalyst deactivation. <i>Applied Catalysis A: General</i> , 2016 , 527, 152-160	5.1	32
231	Pyrolysis and in-line catalytic steam reforming of polystyrene through a two-step reaction system. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016 , 122, 502-510	6	50
230	Assessment of steam gasification kinetics of the char from lignocellulosic biomass in a conical spouted bed reactor. <i>Energy</i> , 2016 , 107, 493-501	7.9	53
229	Minimum spouting velocity for conical spouted beds of vegetable waste biomasses. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 60, 509-519	5.3	20
228	Two-Dimensional Mathematical Model for Flue Gas Desulfurization in a Spray Column at Low Temperatures with Seawater: Design and Optimization. <i>Energy & Fuels</i> , 2016 , 30, 3347-3354	4.1	1
227	A sequential process for hydrogen production based on continuous HDPE fast pyrolysis and in-line steam reforming. <i>Chemical Engineering Journal</i> , 2016 , 296, 191-198	14.7	78
226	Development of a bifunctional catalyst for dimethyl ether steam reforming with CuFe ₂ O ₄ spinel as the metallic function. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 36, 169-179	6.3	14
225	Hydrogen production from biomass by continuous fast pyrolysis and in-line steam reforming. <i>RSC Advances</i> , 2016 , 6, 25975-25985	3.7	84
224	Opportunities and barriers for producing high quality fuels from the pyrolysis of scrap tires. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 56, 745-759	16.2	137
223	Preparation of adsorbents from sewage sludge pyrolytic char by carbon dioxide activation. <i>Chemical Engineering Research and Design</i> , 2016 , 103, 76-86	5.5	43
222	Characterization of the bio-oil obtained by fast pyrolysis of sewage sludge in a conical spouted bed reactor. <i>Fuel Processing Technology</i> , 2016 , 149, 169-175	7.2	87
221	Fitting performance of artificial neural networks and empirical correlations to estimate higher heating values of biomass. <i>Fuel</i> , 2016 , 180, 377-383	7.1	43
220	Steam reforming of phenol as biomass tar model compound over Ni/Al ₂ O ₃ catalyst. <i>Fuel</i> , 2016 , 184, 629-636	7.1	99
219	Bed-to-surface heat transfer in conical spouted beds of biomass and mixtures. <i>Powder Technology</i> , 2015 , 283, 447-454	5.2	14
218	Prospects for Obtaining High Quality Fuels from the Hydrocracking of a Hydrotreated Scrap Tires Pyrolysis Oil. <i>Energy & Fuels</i> , 2015 , 29, 5458-5466	4.1	33
217	Fast co-pyrolysis of sewage sludge and lignocellulosic biomass in a conical spouted bed reactor. <i>Fuel</i> , 2015 , 159, 810-818	7.1	134

216	Styrene recovery from polystyrene by flash pyrolysis in a conical spouted bed reactor. <i>Waste Management</i> , 2015 , 45, 126-33	8.6	93
215	Physical Activation of Rice Husk Pyrolysis Char for the Production of High Surface Area Activated Carbons. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 7241-7250	3.9	71
214	Performance of a conical spouted bed pilot plant for bio-oil production by poplar flash pyrolysis. <i>Fuel Processing Technology</i> , 2015 , 137, 283-289	7.2	65
213	Fast pyrolysis of eucalyptus waste in a conical spouted bed reactor. <i>Bioresource Technology</i> , 2015 , 194, 225-32	11	54
212	Effect of polyethylene co-feeding in the steam gasification of biomass in a conical spouted bed reactor. <i>Fuel</i> , 2015 , 153, 393-401	7.1	82
211	Sewage sludge valorization by flash pyrolysis in a conical spouted bed reactor. <i>Chemical Engineering Journal</i> , 2015 , 273, 173-183	14.7	139
210	Kinetic Study of Carbon Dioxide Gasification of Rice Husk Fast Pyrolysis Char. <i>Energy & Fuels</i> , 2015 , 29, 3198-3207	4.1	30
209	Kinetic Modeling of the Hydrotreating and Hydrocracking Stages for Upgrading Scrap Tires Pyrolysis Oil (STPO) toward High-Quality Fuels. <i>Energy & Fuels</i> , 2015 , 29, 7542-7553	4.1	21
208	HDPE pyrolysis-steam reforming in a tandem spouted bed-fixed bed reactor for H ₂ production. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015 , 116, 34-41	6	60
207	Hydrogen Production by High Density Polyethylene Steam Gasification and In-Line Volatile Reforming. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 9536-9544	3.9	35
206	Fast characterization of biomass fuels by thermogravimetric analysis (TGA). <i>Fuel</i> , 2015 , 140, 744-751	7.1	120
205	Influence of contactor geometry and draft tube configuration on the cycle time distribution in sawdust conical spouted beds. <i>Chemical Engineering Research and Design</i> , 2015 , 102, 80-89	5.5	22
204	A Note on an Integrated Process of Methane Steam Reforming in Junction with Pressure-Swing Adsorption to Produce Pure Hydrogen: Mathematical Modeling. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 12937-12947	3.9	9
203	Upgrading model compounds and Scrap Tires Pyrolysis Oil (STPO) on hydrotreating NiMo catalysts with tailored supports. <i>Fuel</i> , 2015 , 145, 158-169	7.1	52
202	Novel NiMgAlCa catalyst for enhanced hydrogen production for the pyrolysis/gasification of a biomass/plastic mixture. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015 , 113, 15-21	6	73
201	Bio-oil production from rice husk fast pyrolysis in a conical spouted bed reactor. <i>Fuel</i> , 2014 , 128, 162-169	7.1	211
200	Modified HZSM-5 zeolites for intensifying propylene production in the transformation of 1-butene. <i>Chemical Engineering Journal</i> , 2014 , 251, 80-91	14.7	80
199	Modifications in the HZSM-5 zeolite for the selective transformation of ethylene into propylene. <i>Applied Catalysis A: General</i> , 2014 , 479, 17-25	5.1	34

198	Comparison of Ni and Co Catalysts for Ethanol Steam Reforming in a Fluidized Bed Reactor. <i>Catalysis Letters</i> , 2014 , 144, 1134-1143	2.8	25
197	Principal component analysis for kinetic scheme proposal in the thermal and catalytic pyrolysis of waste tyres. <i>Chemical Engineering Science</i> , 2014 , 106, 9-17	4.4	23
196	Kinetic Model for the Transformation of 1-Butene on a K-Modified HZSM-5 Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 10599-10607	3.9	32
195	Effect of Operating Conditions on Dimethyl Ether Steam Reforming in a Fluidized Bed Reactor with a CuO-ZnO-Al ₂ O ₃ and Desilicated ZSM-5 Zeolite Bifunctional Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 3462-3471	3.9	21
194	Causes of deactivation of bifunctional catalysts made up of CuO-ZnO-Al ₂ O ₃ and desilicated HZSM-5 zeolite in DME steam reforming. <i>Applied Catalysis A: General</i> , 2014 , 483, 76-84	5.1	34
193	Development of a dual conical spouted bed system for heat integration purposes. <i>Powder Technology</i> , 2014 , 268, 261-268	5.2	6
192	Upgrading the rice husk char obtained by flash pyrolysis for the production of amorphous silica and high quality activated carbon. <i>Bioresource Technology</i> , 2014 , 170, 132-137	11	108
191	Prediction of the Minimum Spouting Velocity by Genetic Programming Approach. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 12639-12643	3.9	15
190	Intensifying Propylene Production by 1-Butene Transformation on a K Modified HZSM-5 Zeolite-Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 4614-4622	3.9	29
189	Kinetic behaviour of commercial catalysts for methane reforming in ethanol steam reforming process. <i>Journal of Energy Chemistry</i> , 2014 , 23, 639-644	12	7
188	Influence of operating conditions on the steam gasification of biomass in a conical spouted bed reactor. <i>Chemical Engineering Journal</i> , 2014 , 237, 259-267	14.7	121
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